

## Product Information

### Human Dermal Fibroblasts, Normal

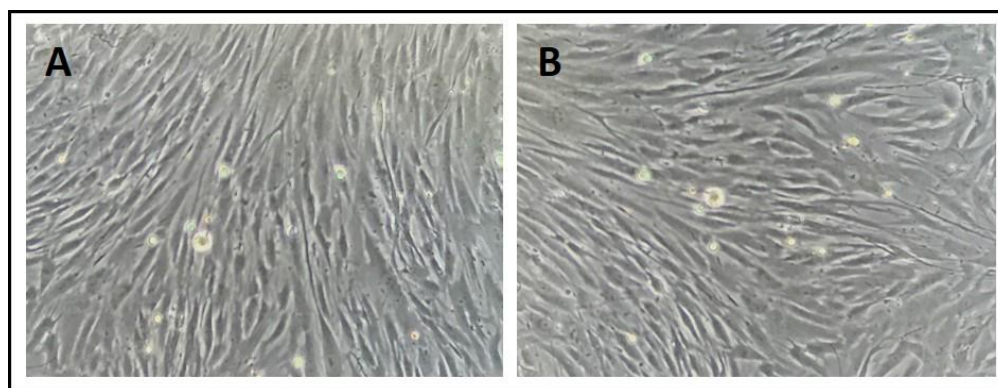
Catalog Number	10HU-013 (Neonatal) 10HU-014 (Adult)	Cell Number	0.5 x 10 <sup>6</sup> cells/vial 1.0 x 10 <sup>6</sup> cells/vial
Species	<i>Homo sapiens</i>	Storage Temperature	Liquid Nitrogen

### Description

iXCells Biotechnologies provides high quality Human Dermal Fibroblasts (HDF) from either neonatal foreskin (Cat# 10HU-013) or adult skin (Cat# 10HU-014). These cells are derived from the dermis of normal human neonatal foreskin or adult skin and cryopreserved at the end of primary culture. HDF are negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast, and fungi. They can further expand in Fibroblast Growth Medium (Cat# MD-0011) under the condition suggested by iXCells Biotechnologies. A Certificate of Analysis is provided for each cell lot purchased.

### Applications:

- iPSC generation
- ECM protein analysis
- Wound healing
- Collagen metabolism
- Skin therapy/models



**Figure 1. (A)** Human Neonatal Dermal Fibroblasts (10HU-013). **(B)** Human Adult Dermal Fibroblasts (10HU-014).

## Product Details

<b>Tissue</b>	Human Dermal Fibroblasts, Normal (Neonatal foreskin, adult skin)
<b>Package Size</b>	0.5x10 <sup>6</sup> cells/vial, 1.0x10 <sup>6</sup> cells/vial
<b>Shipped</b>	Cryopreserved
<b>Storage</b>	Liquid nitrogen
<b>Growth Properties</b>	Adherent
<b>Media</b>	Human Fibroblast Growth Medium (Cat# MD-0011)

## Related Products

Description	Size	Catalog #
<b>Human Dermal Fibroblasts, Normal (Neonatal)</b>	0.5x10 <sup>6</sup> cells / Vial	10HU-013
	1.0x10 <sup>6</sup> cells / Vial	10HU-013
<b>Human Dermal Fibroblasts, Normal (Adult)</b>	0.5x10 <sup>6</sup> cells / Vial	10HU-014
	1.0x10 <sup>6</sup> cells / Vial	10HU-014
<b>Human Fibroblast Growth Medium</b>	500 ML	MD-0011

## References

- [1] Malpass G, Arimilli S, Prasad G, Howlett C. Regulation of Gene Expression by Tobacco Product Preparations in Cultured Human Dermal Fibroblasts. *Toxicol Appl Pharmacol* 279(2): 211-219 (2014).
- [2] Golberg A, Bei M, Sheridan R, Yarmush M. Regeneration and control of human fibroblast cell density by intermittently delivered pulsed electric fields. *Biotechnol Bioeng* 110(6):1759-68 (2013).

## Disclaimers

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